EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	514/210.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/21 17:02
L2	719	514/210.icls.	US-PGPUB; USPAT	OR	OFF	2006/09/21 17:02
L3	19	514/210.icls. and 548/952.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/21 17:02
L4	0	514/210.icls. and 548/952.ccls. and azet	US-PGPUB; USPAT	OR	OFF	2006/09/21 17:03
L5	9	514/210.icls. and 548/952.ccls. and azetidine	US-PGPUB; USPAT	OR	OFF	2006/09/21 17:03
L6	10	514/210.icls. and 548/952.ccls. and azetidinyl	US-PGPUB; USPAT	OR	OFF	2006/09/21 17:03
L7	10	514/210.icls. and 548/952.ccls. and azetidin?	US-PGPUB; USPAT	OR	OFF	2006/09/21 17:03
S1	1	("6211234").PN.	USPAT; USOCR	OR	OFF	2006/09/21 17:02
S2	4	azetizine	US-PGPUB; USPAT	OR	OFF	2006/09/21 12:23
S3	4826	azetidine	US-PGPUB; USPAT	OR	OFF	2006/09/21 12:25
S4	97	azetidine.ti.	US-PGPUB; USPAT	OR	OFF	2006/09/21 12:25
S5	2	azetidine.ti. and ccr	US-PGPUB; USPAT	OR	OFF	2006/09/21 12:26
S6	97	azetidine.ti.	US-PGPUB; USPAT	OR	OFF	2006/09/21 12:26
S7	5	azetidine.ti. and novartis	US-PGPUB; USPAT	OR	OFF	2006/09/21 12:26
S8	1	("4405861").PN.	USPAT; USOCR	OR	OFF	2006/09/21 15:30
S9	1	("6589950").PN.	USPAT; USOCR	OR	OFF	2006/09/21 15:31
S10	1	("6211234").PN.	USPAT; USOCR	OR	OFF	2006/09/21 15:33
S11	1	("6124343").PN.	USPAT; USOCR	OR	OFF	2006/09/21 15:33
S12	1	("6048893").PN.	USPAT; USOCR	OR	OFF	2006/09/21 15:34
S13	1	("6608084").PN.	USPAT; USOCR	OR	OFF	2006/09/21 15:34
S14	1	("6593354").PN.	USPAT; USOCR	OR	OFF	2006/09/21 15:34
S15	1	("6706738").PN.	USPAT; USOCR	OR	OFF	2006/09/21 15:35

EAST Search History

S16	1	("6562851").PN.	USPAT; USOCR	OR	OFF	2006/09/21 15:35
S17	1	("6762199").PN.	USPAT; USOCR	OR	OFF	2006/09/21 15:51
S18	1	("4479900").PN.	USPAT; USOCR	OR	OFF	2006/09/21 16:00
S19	1	("5095014").PN.	USPAT; USOCR	OR	OFF	2006/09/21 16:00

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptasel1626

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS	4	MAY 10	CA/CAplus enhanced with 1900-1906 U.S. patent records
NEWS	5	MAY 11	KOREAPAT updates resume
NEWS	6	MAY 19	Derwent World Patents Index to be reloaded and enhanced
NEWS	7	MAY 30	IPC 8 Rolled-up Core codes added to CA/CAplus and USPATFULL/USPAT2
NEWS	8	MAY 30	The F-Term thesaurus is now available in CA/CAplus
NEWS	9	JUN 02	The first reclassification of IPC codes now complete in INPADOC
NEWS	10	JUN 26	TULSA/TULSA2 reloaded and enhanced with new search and and display fields
NEWS	11	JUN 28	Price changes in full-text patent databases EPFULL and PCTFULL
NEWS	12	JUl 11	CHEMSAFE reloaded and enhanced
NEWS	13	JUl 14	FSTA enhanced with Japanese patents
NEWS	14	JUl 19	Coverage of Research Disclosure reinstated in DWPI
NEWS	15	AUG 09	INSPEC enhanced with 1898-1968 archive
NEWS	16	AUG 28	ADISCTI Reloaded and Enhanced
NEWS	17	AUG 30	CA(SM)/CAplus(SM) Austrian patent law changes
NEWS	18	SEP 11	CA/CAplus enhanced with more pre-1907 records
NEWS	19	SEP 21	CA/CAplus fields enhanced with simultaneous left and right truncation

NEWS EXPRESS	JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 15:45:35 ON 21 SEP 2006

=> fil reg
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION

FULL ESTIMATED COST 0.21 0.21

FILE 'REGISTRY' ENTERED AT 15:45:42 ON 21 SEP 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES: 20 SEP 2006 HIGHEST RN 908067-83-4
DICTIONARY FILE UPDATES: 20 SEP 2006 HIGHEST RN 908067-83-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

Effective September 24, 2006, Concord 3D coordinates will no longer
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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

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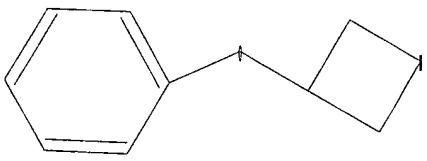
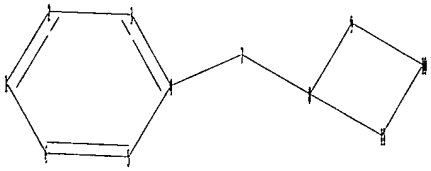
REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Program Files\Stnexp\Queries\10507139f.str





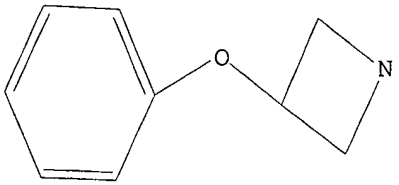
chain nodes :
7
ring nodes :
1 2 3 4 5 6 8 9 10 11
chain bonds :
4-7 7-8
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 8-9 8-11 9-10 10-11
exact/norm bonds :
4-7 7-8 8-9 8-11 9-10 10-11
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:Atom
11:Atom

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 15:45:53 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 2758 TO ITERATE

72.5% PROCESSED 2000 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 52010 TO 58310
PROJECTED ANSWERS: 2611 TO 4173

L2 50 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 15:45:55 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 54854 TO ITERATE

100.0% PROCESSED 54854 ITERATIONS 3358 ANSWERS
SEARCH TIME: 00.00.01

L3 3358 SEA SSS FUL L1

=> fil caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY 166.94 TOTAL SESSION 167.15

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 15:45:58 ON 21 SEP 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 21 Sep 2006 VOL 145 ISS 13
FILE LAST UPDATED: 20 Sep 2006 (20060920/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l3
L4 506 L3

=> fil reg
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.46	167.61

FILE 'REGISTRY' ENTERED AT 15:46:02 ON 21 SEP 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES: 20 SEP 2006 HIGHEST RN 908067-83-4
DICTIONARY FILE UPDATES: 20 SEP 2006 HIGHEST RN 908067-83-4

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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

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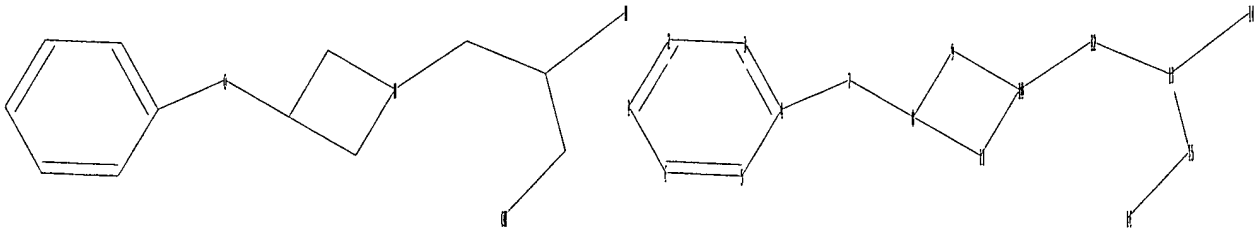
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Program Files\Stnexp\Queries\10507139g.str



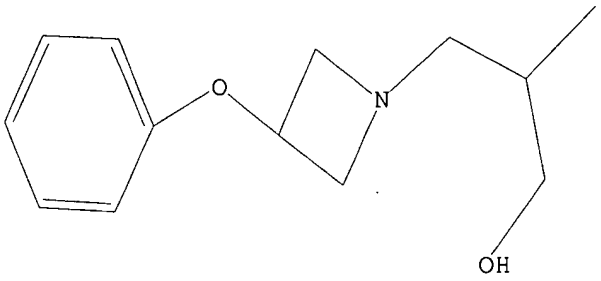
chain nodes :
7 12 13 14 15 16
ring nodes :
1 2 3 4 5 6 8 9 10 11
chain bonds :
4-7 7-8 10-12 12-13 13-14 13-15 15-16
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 8-9 8-11 9-10 10-11
exact/norm bonds :
4-7 7-8 8-9 8-11 9-10 10-11 10-12 13-14 15-16
exact bonds :
12-13 13-15
normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:Atom
11:Atom 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS

L5 STRUCTURE UPLOADED

=> d
L5 HAS NO ANSWERS
L5 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l5
SAMPLE SEARCH INITIATED 15:46:49 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 23 TO ITERATE

100.0% PROCESSED 23 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS: 173 TO 747
PROJECTED ANSWERS: 0 TO 0

L6 0 SEA SSS SAM L5

=> s l5 full
FULL SEARCH INITIATED 15:46:52 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 338 TO ITERATE

100.0% PROCESSED 338 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

L7 1 SEA SSS FUL L5

=> fil caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 166.94 334.55

FILE 'CAPLUS' ENTERED AT 15:46:54 ON 21 SEP 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 21 Sep 2006 VOL 145 ISS 13
FILE LAST UPDATED: 20 Sep 2006 (20060920/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l7
L8 1 L7

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.46	335.01

FILE 'REGISTRY' ENTERED AT 15:46:59 ON 21 SEP 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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STRUCTURE FILE UPDATES: 20 SEP 2006 HIGHEST RN 908067-83-4
DICTIONARY FILE UPDATES: 20 SEP 2006 HIGHEST RN 908067-83-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

Effective September 24, 2006, Concord 3D coordinates will no longer
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(http://www.cas.org/supp.html) if you have a need for 3D coordinates.

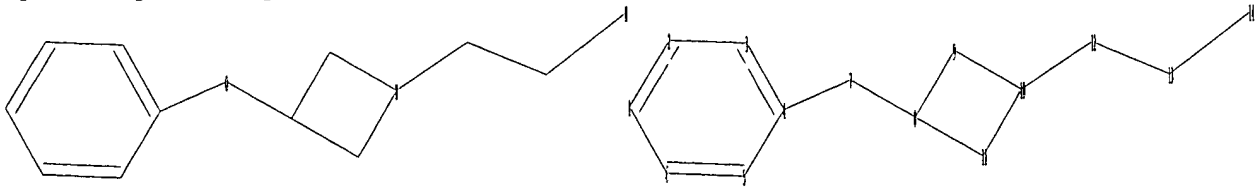
TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Program Files\Stnexp\Queries\10507139h.str

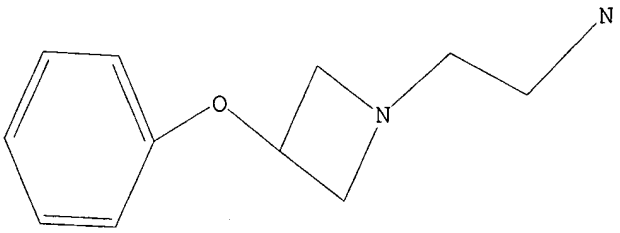


chain nodes :
7 12 13 14
ring nodes :
1 2 3 4 5 6 8 9 10 11
chain bonds :
4-7 7-8 10-12 12-13 13-14
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 8-9 8-11 9-10 10-11
exact/norm bonds :
4-7 7-8 8-9 8-11 9-10 10-11 10-12 13-14
exact bonds :
12-13
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:Atom
11:Atom 12:CLASS 13:CLASS 14:CLASS

L9 STRUCTURE UPLOADED

=> d
L9 HAS NO ANSWERS
L9 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l9
SAMPLE SEARCH INITIATED 15:47:24 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 182 TO ITERATE

100.0% PROCESSED 182 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 2831 TO 4449
PROJECTED ANSWERS: 2 TO 124

L10 2 SEA SSS SAM L9

=> s l9 full
FULL SEARCH INITIATED 15:47:26 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 3258 TO ITERATE

100.0% PROCESSED 3258 ITERATIONS 13 ANSWERS
SEARCH TIME: 00.00.01

L11 13 SEA SSS FUL L9

=> fil caplus
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	166.94	501.95

FILE 'CAPLUS' ENTERED AT 15:47:28 ON 21 SEP 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 21 Sep 2006 VOL 145 ISS 13
FILE LAST UPDATED: 20 Sep 2006 (20060920/ED)

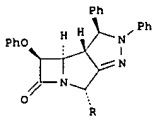
Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l11
L12 9 L11

=> d ibib abs hitstr tot

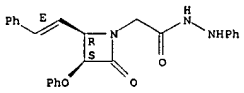
L12 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2006:625388 CAPLUS
TITLE: Stereoselective synthesis of highly functionalised tricyclic β-lactams via intramolecular nitrilimine cycloaddition
AUTHOR(S): Del Buttero, Paola; Molteni, Giorgio
CORPORATE SOURCE: Dipartimento di Chimica Organica e Industriale, Universita degli Studi di Milano, Milan, 20133, Italy
SOURCE: Tetrahedron: Asymmetry (2006), 17(9), 1319-1321
CODEN: TASYE3; ISSN: 0957-4166
PUBLISHER: Elsevier B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



I

AB The novel azeto[2',1':1,2]pyrrolo[3,4-c]pyrazole skeleton has been obtained in both racemic and enantiopure forms by means of intramol. cycloaddn. of nitrilimines. Fully stereoselective cycloaddns. were obtained, giving tricyclic β-lactams I (R = H, Me) as single diastereoisomers with good overall yields.
IT 906644-69-7P 906644-75-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(stereoselective preparation of tricyclic β-lactams via intramol. nitrilimine cycloaddn.)
RN 906644-69-7 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

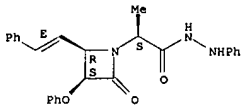
Relative stereochemistry.
Double bond geometry as shown.



RN 906644-75-5 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

Absolute stereochemistry.
Double bond geometry as shown.

L12 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

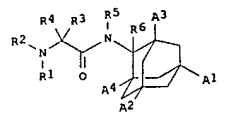


REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

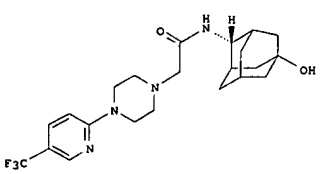
L12 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1313952 CAPLUS
DOCUMENT NUMBER: 144:69851
TITLE: Preparation of adamantyl amide derivatives as inhibitors of the 11β-hydroxysteroid dehydrogenase type 1 enzyme
INVENTOR(S): Link, James T.; Chen, Yixian; Jae, Hwan-Soo; Patel, Jyoti R.; Pliushchev, Marina A.; Rohde, Jeffrey J.; Shuai, Qi; Sorensen, Bryan K.; Winn, Martin; Wodka, Dariusz; Yong, Hong
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 82 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 2005277647	A1	20051215	US 2005-119022		20050429
PRIORITY APPLN. INFO.:			US 2004-566265P	P	20040429
			US 2004-618857P	P	20041013

OTHER SOURCE(S): MARPAT 144:69851
GI



I

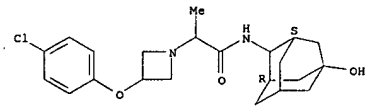


II

AB Title compds. I [A1-4 = H, alkyl, alkyl-NH-alkyl, etc.; R1-2 = H, alkyl, alkoxyalkyl, etc.; R3-4 = H, alkyl, carboxyalkyl, etc.; R5 = H, alkyl, carboxyalkyl, etc.; R6 = H, alkyl, carboxy, carboxyalkyl, etc.] are prepared

L12 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
For instance, II is prepd. in 4 steps from 5-hydroxy-2-adamantanone, chloroacetyl chloride and 1-(5-trifluoromethylpyridin-2-yl)piperazine. I are inhibitors of the 11β-hydroxysteroid dehydrogenase type 1 with IC50 < 600 nM for example compds. I are useful for the treatment of non-insulin dependent type 2 diabetes, insulin resistance, obesity, lipid disorders, metabolic syndrome and other diseases and conditions that are mediated by excessive glucocorticoid action.
IT 871587-63-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; preparation of adamantyl amide derivs. as inhibitors of
11β-hydroxysteroid dehydrogenase type 1 for treatment of diseases mediated by excessive glucocorticoid action)
RN 871587-63-2 CAPLUS
CN 1-Azetidineacetamide, 3-(4-chlorophenoxy)-N-(5-hydroxytricyclo[3.3.1.13,7]dec-2-yl)-α-methyl-, stereoisomer (9CI) (CA INDEX NAME)

Relative stereochemistry.



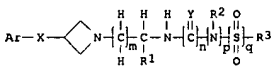
L12 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:757517 CAPLUS
DOCUMENT NUMBER: 139:276805
TITLE: Preparation of azetidine derivatives as CCR-3 receptor antagonists
INVENTOR(S): Le Grand, Darren Mark; McCarthy, Clive; Walker, Clive Victor; Woods, John James
PATENT ASSIGNEE(S): Novartis Ag, Switz.; Novartis Pharma Gmbh
SOURCE: PCT Int. Appl., 87 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003077907	A1	20030925	WO 2003-EP2715	20030314
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LT, LU, LV, MA, MD, MK, MN, MX, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SE, SG, SK, TJ, TM, TN, TR, TT, UA, US, UZ, VC, VN, YU, ZA, ZW				
RW: AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR				
CA 2479266	AA	20030925	CA 2003-2479266	20030314
AU 2003227072	A1	20030929	AU 2003-227072	20030314
EP 1487435	A1	20041222	EP 2003-744367	20030314
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003008419	A	20050118	BR 2003-8419	20030314
CN 1638761	A	20050713	CN 2003-805648	20030314
JP 2005526773	T2	20050908	JP 2003-575960	20030314
US 2005222118	A1	20051006	US 2004-507139	20040909
NO 2004004373	A	20041014	NO 2004-4373	20041014
PRIORITY APPLN. INFO.:			GB 2002-6218 A	20020315
			GB 2002-29627 A	20021219
			WO 2003-EP2715 W	20030314

OTHER SOURCE(S): MARPAT 139:276805
GI

L12 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



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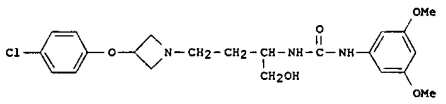


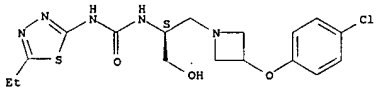
II

AB The title compds. [I; Ar = (un)substituted Ph; R1 = H, alkyl optionally substituted by OH, alkoxy, acyloxy, halo, CO2H, etc.; R2 = H, alkyl or cycloalkyl, and R3 = alkyl substituted by Ph, OPh, acyloxy or naphthyl, or R3 = cycloalkyl optionally having a benzo group fused thereto, a heterocyclic group having 5-11 ring atoms of which 1-4 are heteroatoms, (un)substituted Ph or naphthyl, or R2 and R3 together with the nitrogen atom to which they are attached denote a heterocyclic group having 5-10 ring atoms of which 1-3 are heteroatoms; X = CO, O, CH2, CH(OH); Y = O, S; m = 1-4; and n, p and q = 0, 1 (n+p+q = 1, 2; n+q = 1; p+q = 1; and when n = 0, p = 0)], useful for treating conditions mediated by CCR3, were prepared
Thus, reacting (S)-2-amino-4-[3-(4-chlorophenoxy)azetidin-1-yl]butan-1-ol with 3,5-dimethoxyphenyl isocyanate in CH2Cl2 afforded the urea (S)-II which showed IC50 of 0.007 μM against CCR-3 binding. The exemplified compds. I generally have IC50 values below 1 μM in CCR-3 binding assay. Pharmaceutical compns. that contain the compds. I and processes for preparing the compds. are also described.

IT 606129-12-8P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of azetidine derivs. as CCR-3 receptor antagonists)

RN 606129-12-8 CAPLUS
CN Urea,
N-[(1S)-2-[3-(4-chlorophenoxy)-1-azetidinyl]-1-(hydroxymethyl)ethyl]-N'-(5-ethyl-1,3,4-thiadiazol-2-yl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

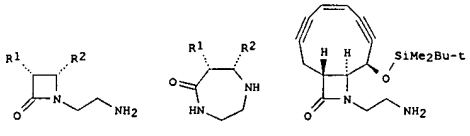


L12 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:291973 CAPLUS
DOCUMENT NUMBER: 139:100946
TITLE: Intramolecular opening of β-lactams with amines as a strategy toward enzymatically or photochemically triggered activation of lactenediyne prodrugs
AUTHOR(S): Banfi, Luca; Guanti, Giuseppe; Rasparini, Marcello
CORPORATE SOURCE: Univ. Genova, Genoa, Italy
SOURCE: European Journal of Organic Chemistry (2003), (7), 1319-1336
CODEN: EJOCFK; ISSN: 1434-193X
PUBLISHER: Wiley-VCH Verlag GmbH & Co. KGaA
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 139:100946
GI



I II III

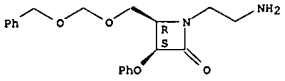
AB In order to develop a general strategy for selective activation of designed enediyne prodrugs belonging to the "lactenediyne" family, we studied the scope of intramol. transamidation of simple monocyclic β-lactams bearing a tethered amine, e.g. I [R1 = H, R2 = OCH2OCH2Ph; R1 = MeO, R2 = (E)-CH:CHPh, OCH2OCH2Ph; R1 = OPh, R2 = OCH2OCH2Ph].
Thus, transamidation of I gave azalactams II upon heating I in EtOH at 40-60°C. The effect of substituents, of reaction media, and of the type of tether, on the rate of transamidation is disclosed. The possibility of triggering the transamidation event under mild conditions by the action of suitable enzymes or UV light was demonstrated on model monocyclic β-lactams. Finally, the strategy of intramol. opening of the β-lactam leading to a larger seven-membered ring was employed on lactenediyne III, demonstrating that ring enlargement could unleash the reactivity of the enediyne moiety.

IT 220573-93-3P 220574-39-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intramol. transamidation/ring opening/enlargement of β-lactams with amines as model for enzymically or photochem. triggered activation of lactenediyne prodrugs)

RN 220573-93-3 CAPLUS
CN 2-Azetidinone,
1-(2-aminoethyl)-3-phenoxy-4-[[(phenylmethoxy)methoxy]methyl]-, (3R,4S)-rel- (9CI) (CA INDEX NAME)

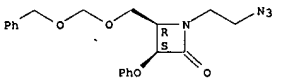
Relative stereochemistry.

L12 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 220574-39-0 CAPLUS
CN 2-Azetidinone,
1-(2-azidoethyl)-3-phenoxy-4-[[(phenylmethoxy)methoxy]methy
l]-, (3R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

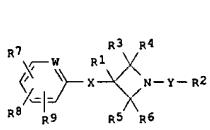


REFERENCE COUNT: 77 THERE ARE 77 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L12 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:122954 CAPLUS
DOCUMENT NUMBER: 136:183693
TITLE: Preparation of phenylheteroazetidines useful as nitric
oxide synthase inhibitors
INVENTOR(S): Cheshire, David; Luker, Timothy; Mete, Antonio
PATENT ASSIGNEE(S): Astrazeneca AB, Swed.
SOURCE: PCT Int. Appl., 55 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002012187	A1	20020214	WO 2001-SE1688	20010731
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2001082746	A5	20020218	AU 2001-82746	20010731
PRIORITY APPLN. INFO.:			GB 2000-19006 A	20000804
			WO 2001-SE1688 W	20010731

OTHER SOURCE(S): MARPAT 136:183693
GI



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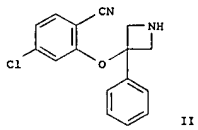
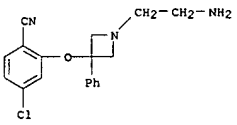


II

AB Title compds. I [R1 = alk(en/yn)yl, cycloalkyl, 4-8 membered saturated heterocyclic ring or R1 = Ph, 5-6 membered aromatic heterocyclic ring; R2 = alkyl, cycloalkyl; R3-6 = H, alkyl; R7-9 = H, alkyl, alkoxy, halo, CF3, OCF3, CN, C.tplbond.CH, S(O)0-2CH3, NO2; W = N, CH; X = O, S(O)0-2, amino; Y = CO, bond] were prepared E.g., 3-oxoazetidine-1-carboxylic acid tert-Bu ester was treated with phenylmagnesium bromide (THF, 0°C, 1 h) to give the carbinol which was O-arylated with 4-chloro-2-fluorobenzonitrile (DMSO, NaH, 16 h). The resulting benzonitrile was deprotected (dioxane, 4M HCl) to give II isolated as the HCl salt, m.p. 217-219°C. Example compds. had IC50 < 25 μM for nitric oxide synthase. I are

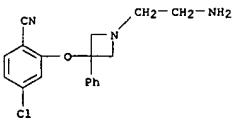
L12 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
useful in the treatment or prophylaxis of inflammatory disease and pain.
IT 398488-92-1P, 2-[1-(2-Aminoethyl)-3-phenylazetidin-3-yloxy]-4-chlorobenzonitrile 398489-18-4P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug; preparation of phenylheteroazetidines useful as nitric oxide synthase inhibitors)
RN 398488-92-1 CAPLUS
CN Benzonitrile, 2-[[1-(2-aminoethyl)-3-phenyl-3-azetidinyl]oxy]-4-chloro- (9CI) (CA INDEX NAME)



RN 398489-18-4 CAPLUS
CN Benzonitrile, 2-[[1-(2-aminoethyl)-3-phenyl-3-azetidinyl]oxy]-4-chloro-, ethanedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 398488-92-1
CMF C18 H18 Cl N3 O



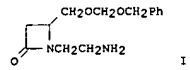
CM 2

CRN 144-62-7
CMF C2 H2 O4

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L12 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

L12 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1998:811719 CAPLUS
DOCUMENT NUMBER: 130:182273
TITLE: Intramolecular transamidation of β-lactams as a means for the enzymic control of ring opening: effect of substituents on the rate of reaction
AUTHOR(S): Banfi, Luca; Guanti, Giuseppe; Rasparini, Marcello
CORPORATE SOURCE: Dipartimento di Chimica e Chimica Industriale, e C.N.R, Centro di Studio per la Chimica dei Composti Cicloalifatici ed Aromatici, Genoa, I-16146, Italy
SOURCE: Tetrahedron Letters (1998), 39(51), 9539-9542
CODEN: TELEAY; ISSN: 0040-4039
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 130:182273
GI



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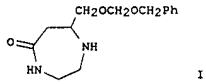
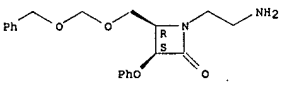


I

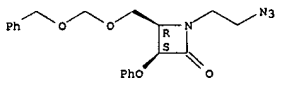
AB A series of simple monocyclic β-lactams with side-chains containing amino groups were synthesized and the rate of their intramol. transamidation was studied. Protection of the amino group with an enzymically cleavable group, allowed selective control of the ring enlargement process, e.g. lactam I was enlarged to II.
IT 220573-93-3P 220574-39-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(ring opening and enlargement via intramol. transamidation of amino-substituted β-lactams)
RN 220573-93-3 CAPLUS
CN 2-Azetidinone, 1-(2-aminoethyl)-3-phenoxy-4-[[(phenylmethoxy)methoxy]methy l]-, (3R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L12 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
RN 220574-39-0 CAPLUS
CN 2-Azetidinone, 1-(2-azidoethyl)-3-phenoxy-4-[[(phenylmethoxy)methoxy]methy l]-, (3R,4S)-rel- (9CI) (CA INDEX NAME)

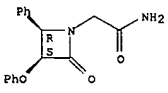
Relative stereochemistry.



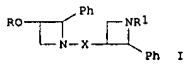
REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1996:175910 CAPLUS
DOCUMENT NUMBER: 124:342182
TITLE: Versatile Approach To Encoding Combinatorial Organic Syntheses Using Chemically Robust Secondary Amine Tags
AUTHOR(S): Ni, Zhi-Jie; Maclean, Derek; Holmes, Christopher P.; Murphy, Martin M.; Ruhland, Beatrice; Jacobs, Jeffrey W.; Gordon, Eric M.; Gallop, Mark A.
CORPORATE SOURCE: Affymax Research Institute, Palo Alto, CA, 94304, USA
SOURCE: Journal of Medicinal Chemistry (1996), 39(8), 1601-8
CODEN: JMCMAR; ISSN: 0022-2623
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Encoded combinatorial organic synthesis has recently emerged as a powerful tool for the discovery of biol. active compds. from complex chemical libraries. This report describes a new encoding methodol. that uses chemical robust secondary amines as tags. These amines are incorporated into an N-[(dialkylcarbamoyl)methyl]glycine-coding oligomer through simple chemical that is compatible with a wide range of polymer-supported transformations useful in combinatorial synthesis. In the decoding process acidic hydrolysis of the tagging polymer regenerates the secondary amines, which after dansylation are resolved and detected at sub-picomole levels by reversed-phase HPLC. The versatility of this strategy is demonstrated here by encoded syntheses of members of several representative heterocyclic compound classes, including β-lactams, 4-thiazolidinones, and pyrrolidines.
IT 176714-86-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of combinatorial libraries of organic compds. using chemical robust secondary amine tags)
RN 176714-86-6 CAPLUS
CN 1-Azetidineacetamide, 2-oxo-3-phenoxy-4-phenyl-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.

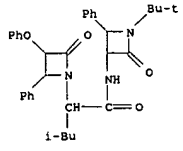


L12 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1985:541767 CAPLUS
DOCUMENT NUMBER: 103:141767
TITLE: Synthesis of novel chiral bisazetidines by the hydroalane reduction of bis-beta-lactams
AUTHOR(S): Ojima, Iwao; Yamato, Takehiko; Nakahashi, Kazuaki
CORPORATE SOURCE: Dep. Chem., State Univ. New York, Stony Brook, NY, 11794, USA
SOURCE: Tetrahedron Letters (1985), 26(17), 2035-8
CODEN: TELEAY; ISSN: 0040-4039
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 103:141767
GI



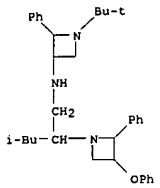
I

AB A series of novel chiral bisazetidines I [X = bond, CHR2CH2NH; R = Ph, Ac; R1 = CH(CH2CHMe2)CH2OCH2Ph, CHMeCH2OH, CMe3; R2 = Me, CH2CHMe2] were synthesized in good yields by the AlClH2 reduction of the corresponding bis-β-lactams.
IT 98380-59-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and chlorohydroalane reduction of)
RN 98380-59-7 CAPLUS
CN 1-Azetidineacetamide, N-[1-(1,1-dimethylethyl)-2-oxo-4-phenyl-3-azetidinyl]-α-(2-methylpropyl)-2-oxo-3-phenoxy-4-phenyl- (9CI) (CA INDEX NAME)



IT 98380-64-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, by reduction of bisazetidinone)
RN 98380-64-4 CAPLUS
CN 1-Azetidineethanamine, N-[1-(1,1-dimethylethyl)-2-phenyl-3-azetidinyl]-β-(2-methylpropyl)-3-phenoxy-2-phenyl- (9CI) (CA INDEX NAME)

L12 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



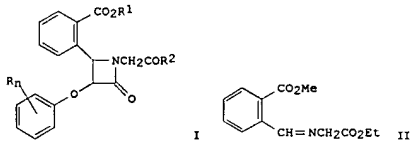
L12 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1985:113265 CAPLUS
DOCUMENT NUMBER: 102:113265
TITLE: 1-Carbalkoxyalkyl-3-aryloxy-4-(2'-carboxyphenyl)azetidinones and their use as plant growth regulators
INVENTOR(S): Luo, Tatao
PATENT ASSIGNEE(S): Chevron Research Co. , USA
SOURCE: Ger. Offen., 38 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3415820	A1	19841031	DE 1984-3415820	19840427
US 4479900	A	19841030	US 1983-490065	19830429
AU 565272	B2	19870910	AU 1984-26427	19840404
AU 8426427	A1	19851010		
CA 1204764	A1	19860520	CA 1984-452167	19840417
FR 2545084	A1	19841102	FR 1984-6457	19840424
FR 2545084	B1	19870717		
AU 8427268	A1	19841101	AU 1984-27268	19840426
AU 562588	B2	19870611		
GB 2139223	A1	19841107	GB 1984-10727	19840426
GB 2139223	B2	19861022		
JP 59206351	A2	19841122	JP 1984-88224	19840501

PRIORITY APPLN. INFO.: US 1983-490065 A 19830429

OTHER SOURCE(S): CASREACT 102:113265; MARPAT 102:113265
GI



I II

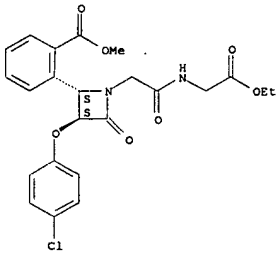
AB Azetidinones I [R = halo, trihalomethyl, NO2, alkyl; R1 = alkyl, PhCH2; R2 = alkoxy, PhCH2O, NHCH2COR3 (R3 = alkoxy); n = 1-3], useful as plant growth regulators, were prepared A mixture of K2CO3, 4-FC6H4OH, and BrCH2CO2Et in MeCOEt was stirred overnight and refluxed 5 h to give 4-FC6H4OCH2CO2Et, the ester saponified to 4-FC6H4OCH2CO2H with KOH in refluxing alc., and the acid converted to 4-FC6H4OCH2COCl with SOCl2 in PhMe. 2-HO2CC6H4CHO was esterified with Me2SO4 in CH2Cl2 and the Me ester condensed with H2NCH2CO2Et·HCl in CH2Cl2 containing MgSO4 and NEt3 at 0°, then 2 h at reflux to give benzylidene derivative II. Successively

L12 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
treating 4-FC6H4OCH2COCl in C6H6 with II in C6H6 and NEt3 at 0°, then refluxing 1 h gave I (Rn = 4-F, R1 = Me, R2 = Et) (III). At 30 ppm, III inhibited root growth of mungo beans 71%.

IT 95299-54-0P 95299-55-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and plant growth inhibitory activity of)

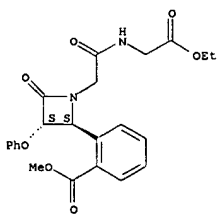
RN 95299-54-0 CAPLUS
CN Benzoic acid, 2-[3-(4-chlorophenoxy)-1-[2-[(2-ethoxy-2-oxoethyl)amino]-2-oxoethyl]-4-oxo-2-azetidinyl]-, methyl ester, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 95299-55-1 CAPLUS
CN Benzoic acid, 2-[1-[2-[(2-ethoxy-2-oxoethyl)amino]-2-oxoethyl]-4-oxo-3-phenoxy-2-azetidinyl]-, methyl ester, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	46.45	548.40

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-6.75	-6.75

STN INTERNATIONAL LOGOFF AT 15:47:44 ON 21 SEP 2006